

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

Claim 1 (Cancelled)

Claim 2 (Previously Presented) The method of Claim 5, wherein the mesenchymal stem cells are autologous to the hematopoietic progenitor cells.

Claim 3 (Previously Presented) The method of Claim 5, wherein the mesenchymal stem cells are allogeneic to the hematopoietic progenitor cells.

Claim 4 (Currently Amended) The method of Claim 5 further comprising separating the ~~transduced~~ transformed human progenitor cells from the mesenchymal stem cells.

Claim 5 (Previously Presented) A method for transforming hematopoietic progenitor cells to express a protein, comprising co-culturing human hematopoietic progenitor cells with isolated human mesenchymal stem cells isolated from human mesoderm tissue, and transforming the human hematopoietic progenitor cells with a polynucleotide comprising exogenous genetic material encoding a protein in the presence of the isolated human mesenchymal stem cells, wherein said protein is expressed.